

# Earth theia collision simulation

Now, a stunning new simulation by researchers at Durham University opens up a strikingly different theory: the Moon may have formed in a much shorter time period -- a matter of hours, not ...

Around 4.5 billion years ago, a planet called Theia is thought to have smashed into newborn Earth. The messy collision kicked up debris, which probably formed our nighttime ...

This simulation shows a possible collision between the Earth and Theia that leaves much of Theia's outer material in orbit around the Earth. The time that is displayed in the bottom-left corner is in ...

Universe Sandbox 2 - Creating Moon from Earth and Theia Collision How Theia, the Planet that Created the Moon, Could Also Be Hiding in Earth's Core

New simulations show the Moon forming within a few hours of the Earth-Theia collision outlined in the Giant Impact Hypothesis. The Moon is Earth's constant companion. But as ubiquitous ...

Artist's depiction of a collision between two planetary bodies, similar to the hypothesized collision between Theia and the proto-Earth.

Computer simulations suggest that a collision with another planetary object early in Earth's history may have provided the heat to set off plate tectonics. A collision with a Mars-size...

While the collision was violent, it was not energetic enough to melt the Earth's lower mantle -- meaning that remnants of Theia could be preserved, rather than mixed homogenously in with the...

A new simulation puts forth a different theory - the Moon may have formed immediately, in a matter of hours, when material from the Earth and Theia was launched directly into orbit after the ...



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